INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/13308

	SIFICATION OF SUBJECT MATTER C1 ⁷ C22C38/00, C22C38/38		
According to	o International Patent Classification (IPC) or to both na	tional classification and IPC	-
	S SEARCHED		
Minimum do Int.	ocumentation searched (classification system followed to C1 ⁷ C22C38/00, C22C38/38	by classification symbols)	
Jitsu Kokai	ion searched other than minimum documentation to the lyo Shinan Koho 1922–1996 i Jitsuyo Shinan Koho 1971–2003	Toroku Jitsuyo Shinan Koh Jitsuyo Shinan Toroku Koh	o 1994–2003 o 1996–2003
Electronic d WPI	ata base consulted during the international search (name	e of data base and, where practicable, sea	rch terms used)
C. DOCU	MENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
Y	JP 2001-73035 A (Director Ge Research Institute for Science Agency),		1-9
	21 March, 2001 (21.03.01), Full text (Family: none)		
Y	JP 10-219393 A (Sumitomo Metal Industries, Ltd.), 1-9 18 August, 1998 (18.08.98), Full text (Family: none)		1-9
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× Furth	er documents are listed in the continuation of Box C.	See patent family annex.	
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such	
"E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other			
	actual completion of the international search December, 2003 (25.12.03)	Date of mailing of the international sear 20 January, 2004 (2	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
Facsimile N	do.	Telephone No.	

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2000-246301 A (Director General of National Research Institute for Science and Technology Agency), 12 September, 2000 (12.09.00), Full text (Family: none)	6
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